



TORQ Analysis of First-Line Supervisors/Managers of Mechanics, Installers, and Repairers to First-Line Supervisors/Managers of Construction Trades and Extraction Workers

INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	49-1011.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	47-1011.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

92

Ability TORQ				Skills TORQ				Knowledge TORQ				
Level		<div><div></div></div> 96		Level		<div><div></div></div> 91		Level		<div><div></div></div> 90		
Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add				
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt	
No Critical Gaps Recorded!				No Skills Upgrade Required!				Building and Construction		72	16	79

LEVEL and IMPT (IMPORTANCE) refer to the Target First-Line Supervisors/Managers of Construction Trades and Extraction Workers. GAP refers to level difference between First-Line Supervisors/Managers of Mechanics, Installers, and Repairers and First-Line Supervisors/Managers of Construction Trades and Extraction Workers.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50

Description	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	Importance
Oral Comprehension	60	53	78
Oral Expression	66	55	75
Problem Sensitivity	60	48	75
Deductive Reasoning	60	50	65
Inductive Reasoning	57	44	65
Near Vision	55	48	65
Written Expression	51	48	62
Information Ordering	55	44	62
Written Comprehension	60	51	59
Selective Attention	51	42	59
Speech Recognition	53	39	59



Speech Clarity	53	44	59
Visualization	59	48	56
Fluency of Ideas	48	42	53
Category Flexibility	53	42	53
Originality	53	42	50
Number Facility	44	41	50
Flexibility of Closure	50	37	50
Perceptual Speed	46	41	50

Skill Level Comparison - Abilities with importance scores over 69

Description	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	Importance
Time Management	69	62	79
Coordination	72	72	78
Instructing	65	59	74
Judgment and Decision Making	65	55	73
Speaking	63	60	71
Active Listening	62	57	69
Equipment Selection	64	59	69

Knowledge Level Comparison - Knowledge with importance scores over 69

Description	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	Importance
Building and Construction	56	72	79

Experience & Education Comparison

Related Work Experience Comparison			Required Education Level Comparison		
Description	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	Description	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	First-Line Supervisors/Managers of Construction Trades and Extraction Workers
10+ years	22%	10%	Doctoral	0%	0%
8-10 years	8%	7%	Professional Degree	0%	0%
6-8 years	7%	8%	Post-Masters Cert	0%	0%
4-6 years	17%	14%	Master's Degree	7%	0%
2-4 years	19%	30%	Post-Bachelor Cert	0%	0%
1-2 years	16%	5%	Bachelors	11%	9%
6-12 months	6%	6%	AA or Equiv	29%	11%
3-6 months	0%	0%	Some College	5%	8%
1-3 months	0%	0%	Post-Secondary Certificate	33%	9%
0-1 month	0%	0%	High School Diploma or GED	10%	54%
None	1%	16%	No HSD or GED	0%	6%



First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	First-Line Supervisors/Managers of Construction Trades and Extraction Workers
Most Common Educational/Training Requirement:	
Work experience in a related occupation	Work experience in a related occupation
Job Zone Comparison	
4 - Job Zone Four: Considerable Preparation Needed A minimum of two to four years of work-related skill, knowledge, or experience is needed for these occupations. For example, an accountant must complete four years of college and work for several years in accounting to be considered qualified. Most of these occupations require a four - year bachelor's degree, but some do not. Employees in these occupations usually need several years of work-related experience, on-the-job training, and/or vocational training.	3 - Job Zone Three: Medium Preparation Needed Previous work-related skill, knowledge, or experience is required for these occupations. For example, an electrician must have completed three or four years of apprenticeship or several years of vocational training, and often must have passed a licensing exam, in order to perform the job. Most occupations in this zone require training in vocational schools, related on-the-job experience, or an associate's degree. Some may require a bachelor's degree. Employees in these occupations usually need one or two years of training involving both on-the-job experience and informal training with experienced workers.

Tasks

First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	First-Line Supervisors/Managers of Construction Trades and Extraction Workers
Core Tasks	Core Tasks
Generalized Work Activities: <ul style="list-style-type: none"> • Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person. • Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources. • Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems. • Making Decisions and Solving Problems - Analyzing information and evaluating results to choose the best solution and solve problems. • Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects. 	Generalized Work Activities: <ul style="list-style-type: none"> • Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources. • Making Decisions and Solving Problems - Analyzing information and evaluating results to choose the best solution and solve problems. • Organizing, Planning, and Prioritizing Work - Developing specific goals and plans to prioritize, organize, and accomplish your work. • Coordinating the Work and Activities of Others- Getting members of a group to work together to accomplish tasks. • Communicating with Supervisors, Peers, or Subordinates - Providing information to supervisors, co-workers, and subordinates by telephone, in written form, e-mail, or in person.
Specific Tasks	Specific Tasks
Occupation Specific Tasks: <ul style="list-style-type: none"> • Compile operational and personnel records, such as time and production records, inventory data, repair and maintenance statistics, and test results. • Compute estimates and actual costs of factors such as materials, labor, and outside contractors. • Conduct or arrange for worker training in safety, repair, and maintenance techniques, operational procedures, or equipment use. • Confer with personnel, such as management, engineering, quality control, customer, and union workers' 	Occupation Specific Tasks: <ul style="list-style-type: none"> • Analyze worker and production problems and recommend solutions, such as improving production methods or implementing motivational plans. • Arrange for repairs of equipment and machinery. • Assign work to employees, based on material and worker requirements of specific jobs. • Confer with managerial and technical personnel, other departments, and contractors in order to resolve problems and to coordinate activities. • Coordinate work activities with other construction project activities.



- representatives, to coordinate work activities, resolve employee grievances, and identify and review resource needs.
- Counsel employees about work-related issues and assist employees to correct job-skill deficiencies.
- Design equipment configurations to meet personnel needs.
- Determine schedules, sequences, and assignments for work activities, based on work priority, quantity of equipment and skill of personnel.
- Develop and implement electronic maintenance programs and computer information management systems.
- Develop, implement, and evaluate maintenance policies and procedures.
- Examine objects, systems, or facilities, and analyze information to determine needed installations, services, or repairs.
- Inspect, test, and measure completed work, using devices such as hand tools and gauges to verify conformance to standards and repair requirements.
- Interpret specifications, blueprints, and job orders to construct templates and lay out reference points for workers.
- Investigate accidents and injuries, and prepare reports of findings.
- Meet with vendors and suppliers to discuss products used in repair work.
- Monitor employees' work levels and review work performance.
- Monitor tool inventories and the condition and maintenance of shops in order to ensure adequate working conditions.
- Participate in budget preparation and administration, coordinating purchasing and documentation, and monitoring departmental expenditures.
- Patrol and monitor work areas and examine tools and equipment in order to detect unsafe conditions or violations of procedures or safety rules.
- Perform skilled repair and maintenance operations, using equipment such as hand and power tools, hydraulic presses and shears, and welding equipment.
- Recommend or initiate personnel actions, such as hires, promotions, transfers, discharges, and disciplinary measures.
- Requisition materials and supplies, such as tools, equipment, and replacement parts.

Detailed Tasks

Detailed Work Activities:

- assign work to staff or employees
- conduct or attend staff meetings
- conduct training for personnel
- confer with customer representatives
- confer with engineering, technical or manufacturing personnel

- Estimate material and worker requirements to complete jobs.
- Examine and inspect work progress, equipment, and construction sites to verify safety and to ensure that specifications are met.
- Locate, measure, and mark site locations and placement of structures and equipment, using measuring and marking equipment.
- Order or requisition materials and supplies.
- Provide assistance to workers engaged in construction or extraction activities, using hand tools and equipment.
- Read specifications such as blueprints to determine construction requirements and to plan procedures.
- Record information such as personnel, production, and operational data on specified forms and reports.
- Suggest or initiate personnel actions such as promotions, transfers, and hires.
- Supervise, coordinate, and schedule the activities of construction or extractive workers.
- Train workers in construction methods, operation of equipment, safety procedures, and company policies.

Detailed Tasks

Detailed Work Activities:

- analyze organizational operating practices or procedures
- assign work to staff or employees
- conduct or attend staff meetings
- conduct training for personnel
- coordinate through subordinate supervisory personnel
- demonstrate or explain assembly or use of equipment
- develop staffing plan
- dictate correspondence
- direct and coordinate activities of workers or staff
- direct and coordinate construction of mine shafts or tunnels
- direct and coordinate mining operations
- establish employee performance standards
- estimate materials or labor requirements
- hire, discharge, transfer, or promote workers
- inspect project operations, or site to determine specification compliance
- maintain file of job openings
- maintain inventory of office equipment or furniture
- maintain job descriptions
- maintain production or work records
- monitor worker performance



Manufacturing personnel

- consult with managerial or supervisory personnel
- coordinate equipment or personnel in mechanical repair setting
- demonstrate or explain assembly or use of equipment
- determine installation, service, or repair needed
- develop budgets
- develop maintenance schedules
- develop policies, procedures, methods, or standards
- develop staffing plan
- diagnose mechanical problems in machinery or equipment
- direct and coordinate activities of workers or staff
- discipline staff for infractions of rules or regulations
- establish employee performance standards
- estimate cost for repair services
- estimate materials or labor requirements
- evaluate performance of employees or contract personnel
- examine products or work to verify conformance to specifications
- hire, discharge, transfer, or promote workers
- inspect facilities to determine repair or replacement needs
- inspect machinery or equipment to determine adjustments or repairs needed
- modify work procedures or processes to meet deadlines
- monitor operations to verify conformance to standards
- monitor worker performance
- orient new employees
- oversee work progress to verify safety or conformance to standards
- perform safety inspections in manufacturing or industrial setting
- prepare or maintain employee records
- prepare reports
- read blueprints
- read schematics
- read specifications
- read technical drawings
- read work order, instructions, formulas, or processing charts
- recommend improvements to work methods or procedures
- recommend personnel actions, such as promotions, transfers, and dismissals
- recommend purchase or repair of furnishings or equipment
- requisition stock, materials, supplies or

- motivate workers to achieve work goals
- order or purchase supplies, materials, or equipment
- orient new employees
- oversee work progress to verify safety or conformance to standards
- perform safety inspections in construction or resource extraction setting
- plan construction of structures or facilities
- plan meetings or conferences
- plan or organize work
- prepare or maintain employee records
- prepare reports
- prepare safety reports
- read blueprints
- read specifications
- read tape measure
- read technical drawings
- read work order, instructions, formulas, or processing charts
- recommend improvements to work methods or procedures
- recommend personnel actions, such as promotions, transfers, and dismissals
- recommend purchase or repair of furnishings or equipment
- resolve or assist workers to resolve work problems
- resolve personnel problems or grievances
- schedule employee work hours
- set priorities for construction workers
- understand construction specifications
- use hand or power tools
- write employee orientation or training materials

Technology - Examples

Calendar and scheduling software

- FranklinCovey TabletPlanner
- Scheduling software

Computer aided design CAD software

- Autodesk AutoCAD software

Data base user interface and query software

- Data entry software
- M-Co M-Forms Client

Document management software

- Adobe Systems Adobe Acrobat software

Electronic mail software

- Microsoft Outlook

Facilities management software



equipment

- resolve or assist workers to resolve work problems
- understand service or repair manuals
- understand technical operating, service or repair manuals

Technology - Examples

Accounting software

- Cost accounting software

Calendar and scheduling software

- Scheduling software

Data base user interface and query software

- Database software

- Microsoft Access

- Vehicle management software

Electronic mail software

- Email software
- Microsoft Outlook

Enterprise resource planning ERP software

- Infor SyteLine ERP
- SAP software
- WorkTech MAXIMO

Facilities management software

- Computerized maintenance management system CMMS software
- Maintenance management software

Industrial control software

- Programmable logic controller PLC software

Internet browser software

- Internet browser software
- Microsoft Internet Explorer

Inventory management software

- Automated inventory software
- Inventory management software

Office suite software

- Microsoft Office

Project management software

- Recordkeeping software

Spreadsheet software

- Microsoft Excel

- Facilities management software

Graphics or photo imaging software

- Graphics software

Inventory management software

- Inventory tracking software

Office suite software

- Microsoft Office

Presentation software

- Microsoft PowerPoint

Project management software

- Intuit QuickBase Project Management
- Microsoft Project
- Primavera Systems SureTrak Project Manager

- Sage Timberline Office software

Spreadsheet software

- Microsoft Excel

Video conferencing software

- Microsoft NetMeeting

Word processing software

- Microsoft Word

Tools - Examples

- Insulated adjustable widemouth pliers

- Adjustable wrenches

- Air compressors

- Ammeters

- Backhoes

- Bench vises

- Biscuit joiners

- Blasting machines

- Caulking guns

- Chalk lines

- Clamp-on meters

- Steel chisels

- Concrete mixers

- Screeds

- Desktop computers



- Spreadsheet software

Time accounting software

- Payroll software

Word processing software

- Microsoft Word

- Word processing software

Tools - Examples

- Desktop computers

- Laser printers

- Mainframe computers

- Programmable logic controllers PLC

- Personal computers

- Two way radios

- Detonators

- Digital cameras

- Dump trucks

- Protective ear muffs

- Protective ear plugs

- Safety lanyards

- Files

- Fish tapes

- Flatbed truck trailers

- Concrete floats

- Flow meters

- Forklifts

- Gas-powered generators

- Acetylene welding equipment

- Glass cutters

- Safety goggles

- Claw hammers

- Allen wrenches

- Glass holders

- Humidity meters

- Pallet jacks

- Fuel-burning kettles

- Ladders

- Lathes

- Transits

- Bubble levels

- Glass lifters

- Refrigerant leak detectors

- Channel lock pliers

- Power lockouts

- Rubber mallets

- Aerial personnel lifts



- Surveying rods
- Metal inert gas M G welding equipment
- Marking gauges
- Multimeters
- Nut drivers
- Megohm meters
- Personal computers
- Pipe benders
- Pipe cutters
- Pipe vises
- Pipe wrenches
- Planes
- Mortar mixers
- Plumb bobs
- Power polishers
- Power drills
- Power grinders
- Power nailers
- Power saws
- Pressure meters
- Power washers
- Glass gloves
- Crowbars
- Putty knives
- Refrigerant reclamation equipment
- Respirators
- Safety glasses
- Safety harnesses
- Hand saws
- Scaffolding
- Flat screwdrivers
- Scoring tools



- Skid steer loaders
- Spray guns
- Layout squares
- Hydraulic knock-out punches
- Wire strippers
- Vacuum cups
- Analog temperature analyzers
- Tablet computers
- Theodolites
- Pipe threaders
- Glass tongs
- Tracked excavators
- Trenchers
- Brick trowels
- Tungsten inert gas TIG welding equipment
- Two way radios
- Utility knives
- Vacuum pumps
- Voltmeters
- Wattmeters
- Welders
- Welding masks
- Wheeled bulldozers
- Wheeled loaders
- Wire cutters
- Hydraulic crimping tools
- Slickline fishing tools
- Wood chisels

Labor Market Comparison

Description	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	Difference



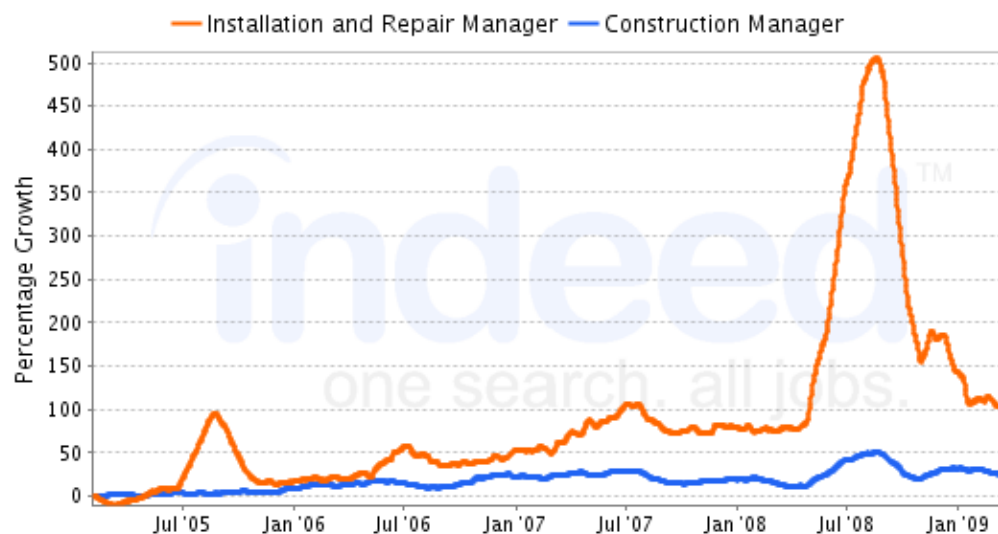
Median Wage	\$ 46,810	\$ 46,630	\$ (180)
10th Percentile Wage	\$ 29,560	\$ 31,990	\$ 2,430
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 59,530	\$ 57,710	\$ (1,820)
90th Percentile Wage	\$ 74,550	\$ 68,320	\$ (6,230)
Mean Wage	\$ 49,310	\$ 48,860	\$ (450)
Total Employment - 2007	2,490	3,190	700
Employment Base - 2006	2,530	4,627	2,097
Projected Employment - 2016	2,535	4,748	2,213
Projected Job Growth - 2006-2016	0.2 %	2.6 %	2.4 %
Projected Annual Openings - 2006-2016	60	77	17

National Job Posting Trends

Trend for First-Line Supervisors/Managers of Mechanics, Installers, and Repairers

Trend for First-Line Supervisors/Managers of Construction Trades and Extraction Workers

Job Trends from Indeed.com

Data from [Indeed](http://Indeed.com)

Recommended Programs

Mining and Mineral Engineering

Mining and Mineral Engineering. A program that prepares individuals to apply mathematical and scientific principles to the design, development and operational evaluation of mineral extraction, processing and refining systems, including open pit and shaft mines, prospecting and site analysis equipment and instruments, environmental and safety systems, mine equipment and facilities, mineral processing and refining methods and systems, and logistics and communications systems.



No schools available for the program

Mining and Petroleum Technol./Technicians, Other

Mining and Petroleum Technologies/Technicians, Other. Any instructional program in mining and petroleum engineering technologies not listed above.

No schools available for the program

Construction/Building Tech./Technician

Construction Engineering Technology/Technician. A program that prepares individuals to apply basic engineering principles and technical skills in support of engineers, engineering contractors and other professionals engaged in the construction of buildings and related structures. Includes instruction in basic structural engineering principles and construction techniques, building site inspection, site supervision, construction personnel supervision, plan and specification interpretation, supply logistics and procurement, applicable building codes, and report preparation.

Institution	Address	City	URL
Central Maine Community College	1250 Turner St	Auburn	www.cmcc.edu
Central Maine Community College	1250 Turner St	Auburn	www.cmcc.edu
Eastern Maine Community College	354 Hogan Rd	Bangor	www.emcc.edu
Eastern Maine Community College	354 Hogan Rd	Bangor	www.emcc.edu
Eastern Maine Community College	354 Hogan Rd	Bangor	www.emcc.edu

Mason/Masonry

Mason/Masonry. A program that prepares individuals to apply technical knowledge and skills in the laying and/or setting of brick, concrete block, hard tile, marble and related materials, using trowels, levels, hammers, chisels, and other hand tools. Includes instruction in technical mathematics, blueprint reading, structural masonry, decorative masonry, foundations, reinforcement, mortar preparation, cutting and finishing, and applicable codes and standards.

Institution	Address	City	URL
Southern Maine Community College	2 Fort Road	South Portland	www.smccME.edu
Southern Maine Community College	2 Fort Road	South Portland	www.smccME.edu

Carpentry/Carpenter

Carpentry/Carpenter. A program that prepares individuals to apply technical knowledge and skills to lay out, cut, fabricate, erect, install, and repair wooden structures and fixtures, using hand and power tools. Includes instruction in technical mathematics, framing, construction materials and selection, job estimating, blueprint reading, foundations and roughing-in, finish carpentry techniques, and applicable codes and standards.

Institution	Address	City	URL
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu
Southern Maine Community College	2 Fort Road	South Portland	www.smccME.edu

Electrical and Power Transmission Installation/Installer, General

Electrical and Power Transmission Installation/Installer, General. A program that generally prepares individuals to apply technical knowledge and skills to install indoor and outdoor residential, commercial, and industrial electrical systems, and associated power transmission lines. Includes instruction in electricity, safety procedures, wiring, insulation and grounding, schematic blueprint interpretation, equipment operation and maintenance, and applicable codes and standards.

No schools available for the program

Electrician



Electrician. A program that prepares individuals to apply technical knowledge and skills to install, operate, maintain, and repair electric apparatus and systems such as residential, commercial, and industrial electric-power wiring; and DC and AC motors, controls, and electrical distribution panels. Includes instruction in the principles of electronics and electrical systems, wiring, power transmission, safety, industrial and household appliances, job estimation, electrical testing and inspection, and applicable codes and standards.

Institution	Address	City	URL
Eastern Maine Community College	354 Hogan Rd	Bangor	www.emcc.edu
Washington County Community College	One College Drive	Calais	www.wccc.me.edu
Kennebec Valley Community College	92 Western Ave	Fairfield	www.kvcc.me.edu
Kennebec Valley Community College	92 Western Ave	Fairfield	www.kvcc.me.edu
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu
Southern Maine Community College	2 Fort Road	South Portland	www.smccME.edu

Lineworker

Lineworker. A program that prepares individuals to apply technical knowledge and skills to install, operate, maintain and repair local, long-distance, and rural electric power cables and communication lines; erect and construct pole and tower lines; and install underground lines and cables. Includes instruction in cable installation and repair, fibre-optic technology, trenching, mobile equipment and crane operation, high-voltage installations, maintenance and inspection, safety, remote communications, and applicable codes and standards.

Institution	Address	City	URL
Kennebec Valley Community College	92 Western Ave	Fairfield	www.kvcc.me.edu

Electrical and Power Transmission Installers, Other

Electrical and Power Transmission Installers, Other. Any instructional program in electrical and power transmission installation not listed above.

No schools available for the program

Building/Property Maintenance and Management

Building/Property Maintenance and Management. A program that prepares individuals to apply technical knowledge and skills to keep a building functioning, and to service a variety of structures including commercial and industrial buildings and mobile homes. Includes instruction in the basic maintenance and repair skills required to service building systems, such as air conditioning, heating, plumbing, electrical, major appliances, and other mechanical systems.

No schools available for the program

Concrete Finishing/Concrete Finisher

Concrete Finishing/Concrete Finisher. A program that prepares individuals to prepare, construct, and finish buildings, components, and related structures using compound masonry mixtures of stone, gravel, sand, cement, and water. Includes instruction in site preparation, applied mathematics, mixing formulas and applications, job estimation, concrete design, finishing techniques, mold preparation, reinforcement installation, site safety, and equipment operation and maintenance.

No schools available for the program

Building/Home/Construction Inspection/Inspector

Building/Home/Construction Inspection/Inspector. A program that prepares individuals to apply industrial, labor, and governmental standards and laws to the oversight of construction projects and the maintenance of completed buildings and other structures. Includes instruction in construction processes and techniques, materials analysis, occupational safety and health, industry standards, building codes and specifications, blueprint interpretation, testing equipment and procedures, communication skills, accident investigation, and documentation.

No schools available for the program

Drywall Installation/Drywall

Drywall Installation/Drywall. A program that prepares individuals to apply technical knowledge and skills to install, tape, and plaster drywall installations in interior and exterior construction jobs. Includes instruction in drywall handling and transport, cutting and mounting, taping and spackling, finishing, job analysis and estimation, site safety, tool operation and maintenance, blueprint and specification interpretation, and applicable codes and standards.



No schools available for the program			
Glazier			
Glazier. A program that prepares individuals to apply technical knowledge and skills to install and repair fixtures, sheets, windows, and skylights made of glass, plexiglass, and other transparent materials. Includes instruction in site measurement, job analysis and estimation, material cutting and trimming, window and door installation, site safety, equipment operation and maintenance, specification interpretation, and applicable codes and standards.			
No schools available for the program			
Painting/Painter and Wall Coverer			
Painting/Painter and Wall Coverer. A program that prepares individuals to apply technical knowledge and skills to finish exterior and interior structural surfaces by applying protective or decorative coating materials, such as paint, lacquer, and wallpaper. Includes instruction in surface preparation; selecting, preparing, and applying paints and other coatings; hanging wallpaper; equipment operation and maintenance; finish selection; safety and clean-up; environmental effects on finishes; adhesion properties; and applicable codes and standards.			
No schools available for the program			
Roofer			
Roofer. A program that prepares individuals to apply technical knowledge and skills to prepare, install, and maintain exterior roofing materials and roofs. Includes instruction in building materials, flashing, lag bolts, site safety, equipment operation and maintenance, layering, site preparation, basic internal structural design, finishing, waterproofing, and applicable codes and standards.			
No schools available for the program			
Building/Construction Site Management/Manager			
Building/Construction Site Management/Manager. A program that prepares individuals to supervise, manage, and inspect construction sites, buildings, and associated facilities. Includes instruction in site safety, personnel supervision, labor relations, diversity training, construction documentation, scheduling, resource and cost control, bid strategies, rework prevention, construction insurance and bonding, accident management and investigation, applicable law and regulations, and communication skills.			
No schools available for the program			
Construction and Building Finishers and Managers,			
Building/Construction Finishing, Management, and Inspection, Other. Any instructional program in building/construction finishing, management, and inspection not listed above.			
No schools available for the program			
Plumbing Technology/Plumber			
Plumbing Technology/Plumber. A program that prepares individuals to practice as licensed plumbers by applying technical knowledge and skills to lay out, assemble, install, and maintain piping fixtures and systems for steam, natural gas, oil, hot water, heating, cooling, drainage, lubricating, sprinkling, and industrial processing systems in home and business environments. Includes instruction in source determination, water distribution, waster removal, pressure adjustment, basic physics, technical mathematics, blueprint reading, pipe installation, pumps, welding and soldering, plumbing inspection, and applicable codes and standards.			
Institution	Address	City	URL
Wasington County Community College	One College Drive	Calais	www.wccc.me.edu
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu
Northern Maine Community College	33 Edgemont Dr	Presque Isle	www.nmcc.edu
Southern Maine Community College	2 Fort Road	South Portland	www.smccME.edu
Southern Maine Community College	2 Fort Road	South Portland	www.smccME.edu
Well Drilling/Driller			
Well Drilling/Driller. A program that prepares individuals to apply technical knowledge and skills to set up, maintain, repair, and operate well drilling equipment; locate, drill, construct, and develop water, gas, and oil wells; and test and monitor wells to ensure adequate flow. Includes applications to home, business, and industrial uses.			
No schools available for the program			
Blasting/Blaster			



Blasting/Blaster. A program that prepares individuals to apply technical knowledge and skills in using a variety of explosive materials to aid in the construction process. Includes instruction in safety procedures for storing, handling, placement, charge power determination, drilling, pounding building demolition preparing rocky surfaces for build foundations and demolition of explosives.

No schools available for the program

Construction Trades, Other

Construction Trades, Other. Any instructional program in construction trades not listed above.

No schools available for the program

Maine Statewide Promotion Opportunities for First-Line Supervisors/Managers of Mechanics, Installers, and Repairers

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
49-1011.00	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	100	4	2,490	\$46,810.00	\$0.00	0%	60
11-9021.00	Construction Managers	87	3	970	\$72,320.00	\$25,510.00	4%	35
11-3051.00	Industrial Production Managers	86	4	690	\$72,560.00	\$25,750.00	-12%	24
17-3026.00	Industrial Engineering Technicians	84	3	370	\$51,700.00	\$4,890.00	6%	9
11-3071.02	Storage and Distribution Managers	84	3	710	\$62,270.00	\$15,460.00	5%	25
49-2095.00	Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	83	5	20	\$60,790.00	\$13,980.00	5%	1
49-9051.00	Electrical Power-Line Installers and Repairers	83	3	280	\$47,750.00	\$940.00	9%	12
49-9012.00	Control and Valve Installers and Repairers, Except Mechanical Door	83	3	170	\$47,860.00	\$1,050.00	-9%	3
27-1021.00	Commercial and Industrial Designers	82	4	140	\$49,170.00	\$2,360.00	5%	5
47-4021.00	Elevator Installers and Repairers	82	4	0	\$50,960.00	\$4,150.00	0%	0
51-8013.00	Power Plant Operators	81	3	480	\$50,240.00	\$3,430.00	10%	21
29-2091.00	Orthotists and Prosthetists	81	5	0	\$62,480.00	\$15,670.00	-9%	0
51-8012.00	Power Distributors and Dispatchers	81	4	0	\$47,720.00	\$910.00	0%	0
11-3071.01	Transportation Managers	81	3	710	\$62,270.00	\$15,460.00	5%	25
11-9011.01	Nursery and Greenhouse Managers	81	4	30	\$60,610.00	\$13,800.00	20%	15

Top Industries for First-Line Supervisors/Managers of Construction Trades and Extraction Workers



Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Self-employed workers, primary job	000601	22.64%	174,723	186,145	6.54%
Residential building construction	236100	11.37%	87,729	98,791	12.61%
Nonresidential building construction	236200	10.37%	80,055	89,701	12.05%
Other specialty trade contractors	238900	5.45%	42,078	46,506	10.52%
Electrical contractors	238210	5.00%	38,588	40,462	4.86%
Plumbing, heating, and air-conditioning contractors	238220	4.75%	36,688	41,431	12.93%
Local government, excluding education and hospitals	939300	3.93%	30,356	34,102	12.34%
Highway, street, and bridge construction	237300	3.38%	26,120	28,121	7.66%
Drywall and insulation contractors	238310	2.30%	17,779	18,964	6.66%
Poured concrete foundation and structure contractors	238110	2.10%	16,225	18,291	12.73%
Self-employed workers, secondary job	000602	1.73%	13,344	13,284	-0.45%
Support activities for mining	213100	1.59%	12,256	11,528	-5.93%
Masonry contractors	238140	1.55%	11,997	13,291	10.78%
Painting and wall covering contractors	238320	1.51%	11,627	12,938	11.27%
Roofing contractors	238160	1.49%	11,471	13,395	16.77%

Top Industries for First-Line Supervisors/Managers of Mechanics, Installers, and Repairers

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Automobile dealers	441100	6.95%	32,287	36,627	13.44%
Automotive mechanical and electrical repair and maintenance	811110	5.50%	25,547	30,332	18.73%
Local government, excluding education and hospitals	939300	5.31%	24,681	27,727	12.34%
Plumbing, heating, and air-conditioning contractors	238220	3.15%	14,658	16,552	12.93%
Automotive parts, accessories, and tire stores	441300	2.86%	13,294	12,969	-2.44%
Automotive body, paint, interior, and glass repair	811120	2.85%	13,264	15,487	16.76%
Electric power generation, transmission and distribution	221100	2.79%	12,970	11,929	-8.03%
Federal government, excluding postal service	919999	2.45%	11,388	10,766	-5.47%
Wired telecommunications carriers	517100	2.42%	11,241	8,825	-21.49%
Lessors of real estate	531100	2.27%	10,546	11,619	10.18%
Electrical contractors	238210	1.83%	8,518	8,931	4.86%
State government, excluding education and hospitals	929200	1.66%	7,712	7,568	-1.87%
Commercial and industrial machinery and equipment (except automotive and electronic) repair and maintenance	811300	1.46%	6,774	7,168	5.82%



Elementary and secondary schools, public and private	611100	1.43%	6,655	7,013	5.38%
Activities related to real estate	531300	1.41%	6,543	8,339	27.44%